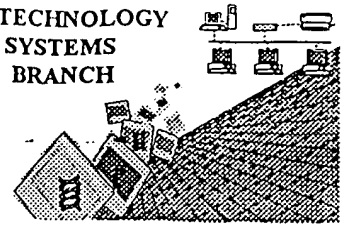


CP

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 | 644,021  
Source: ORF  
Date Processed by STIC: 8-25-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIPE

## RAW SEQUENCE LISTING

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,021

TIME: 14:20:22

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Output Set: N:\CRF4\08252003\J644021.raw

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 6 <120> TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC  
 7 ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES  
 8 THEREOF  
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 C--> 12 <141> CURRENT FILING DATE: 2003-08-20  
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 W--> 13 <151> PRIOR FILING DATE: 08-20-2003  
 W--> 15 <140> CURRENT APPLICATION NUMBER: 09/820,004  
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Corrected Diskette Needed**

## RAW SEQUENCE LISTING

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,021

TIME: 14:20:22

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66 Gln Asp Ser Leu Ser Ser Ser Leu Lys Thr Cys Tyr Lys Tyr Leu Asn
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70 Met Arg Asn Ala Val Cys Ile Phe Tyr Leu Val Leu Arg Ala Leu Asp
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72 Thr Leu Glu Asp Asp Met Thr Ile Ser Val Glu Lys Lys Val Pro Leu
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76 Glu Ser Lys Glu Lys Asp Arg Gln Val Leu Glu Asp Phe Pro Thr Tyr
77 115 120 125
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80 Ser Ala Ser Glu Phe Glu Asp Pro Leu Val Gly Glu Asp Thr Glu Arg
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90 His His Ile Pro Asp Val Ile Thr Tyr Leu Ser Arg Leu Arg Asn Gln
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95 260 265 270
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## RAW SEQUENCE LISTING

DATE: 08/25/2003

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TIME: 14:20:22

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Output Set: N:\CRF4\08252003\J644021.raw

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/644,021

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252 caccaaggcc atggccctct tcaagcgcac cttggtgctg agtcccgcg cggcgcccag 7800
253 gggcccgggc gcaggcaccg cccgcgggg ctgctgcttg cctcctgcg cctggccctg 7860
254 caaggactgg cctcggggag agggcggcag gctgtggagc gcgctgcccc agtcccagtc 7920

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/644,021

DATE: 08/25/2003  
TIME: 14:20:23

Input Set : A:\1201 DIV SEQLIST.TXT  
Output Set: N:\CRF4\08252003\J644021.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 13955,13956,13957,13958,13959,13960,13961,13962,13963,13964  
Seq#:3; N Pos. 13965,13966,13967,13968,13969,13970,13971,13972,13973,13974  
Seq#:3; N Pos. 13975,13976,13977,13978,13979,13980,13981,13982,13983,13984  
Seq#:3; N Pos. 13985,13986,13987,13988,13989,13990,13991,13992,13993,13994  
Seq#:3; N Pos. 13995,13996,13997,13998,13999,14000,14001,14002,14003,14004  
Seq#:3; N Pos. 14005,14006,14007,14008,14009,14010,14011,14012,14013,14014  
Seq#:3; N Pos. 14015,14016,14017,14018,14019,14020,14021,14022,14023,14024  
Seq#:3; N Pos. 14025,14026,14027,14028,14029,14030,14031,14032,14033,14034  
Seq#:3; N Pos. 14035,14036,14037,14038,14039,14040,14041,14042,14043,14044  
Seq#:3; N Pos. 14045,14046,14047,14048,14049,14050,14051,14052,14053,14054  
Seq#:3; N Pos. 14055,14056,14057,14058,14059,14060,14061,14062,14063,14064  
Seq#:3; N Pos. 14065,14066,14067,14068,14069,14070,14071,14072,14073,14074  
Seq#:3; N Pos. 14075,14076,14077,14078,14079,14080,14081,14082,14083,14084  
Seq#:3; N Pos. 14085,14086,14087,14088,14089,14090,14091,14092,14093,14094  
Seq#:3; N Pos. 14095,14096,14097,14098,14099,14100,14101,14102,14103,14104  
Seq#:3; N Pos. 14105,14106,14107,14108,14109,14110,14111,14112,14113,14114  
Seq#:3; N Pos. 14115,14116,14117,14118,14119,14120,14121,14122,14123,14124  
Seq#:3; N Pos. 14125,14126,14127,14128,14129,14130,14131,14132,14133,14134  
Seq#:3; N Pos. 14135,14136,14137,14138,14139,14140,14141,14142,14143,14144  
Seq#:3; N Pos. 14145,14146,14147,14148,14149,14150,14151,14152,14153,14154  
Seq#:3; N Pos. 14155,14156,14157,14158,14159,14160,14161,14162,14163,14164  
Seq#:3; N Pos. 14165,14166,14167,14168,14169,14170,14171,14172,14173,14174  
Seq#:3; N Pos. 14175,14176,14177,14178,14179,14180,14181,14182,14183,14184  
Seq#:3; N Pos. 14185,14186,14187,14188,14189,14190,14191,14192,14193,14194  
Seq#:3; N Pos. 14195,14196,14197,14198,14199,14200,14201,14202,14203,14204  
Seq#:3; N Pos. 14205,14206,14207,14208,14209,14210,14211,14212,14213,14214  
Seq#:3; N Pos. 14215,14216,14217,14218,14219,14220,14221,14222,14223,14224  
Seq#:3; N Pos. 14225,14226,14227,14228,14229,14230,14231,14232,14233,14234  
Seq#:3; N Pos. 14235,14236,14237,14238,14239,14240,14241,14242,14243,14244  
Seq#:3; N Pos. 14245,14246,14247,14248,14249,14250,14251,14252,14253,14254  
Seq#:3; N Pos. 14255,14256,14257,14258,14259,14260,14261,14262,14263,14264  
Seq#:3; N Pos. 14265,14266,14267,14268,14269,14270,14271,14272,14273,14274  
Seq#:3; N Pos. 14275,14276,14277,14278,14279,14280,14281,14282,14283,14284  
Seq#:3; N Pos. 14285,14286,14287,14288,14289,14290,14291,14292,14293,14294  
Seq#:3; N Pos. 14295,14296,14297,14298,14299,14300,14301,14302,14303,14304  
Seq#:3; N Pos. 14305,14306,14307,14308,14309,14310,14311,14312,14313,14314  
Seq#:3; N Pos. 14315,14316,14317,14318,14319,14320,14321,14322,14323,14324  
Seq#:3; N Pos. 14325,14326,14327,14328,14329,14330,14331,14332,14333,14334  
Seq#:3; N Pos. 14335,14336,14337,14338,14339,14340,14341,14342,14343,14344  
Seq#:3; N Pos. 14345,14346,14347,14348,14349,14350,14351,14352,14353,14354  
Seq#:3; N Pos. 14355,14356,14357,14358,14359,14360,14361,14362,14363,14364  
Seq#:3; N Pos. 14365,14366,14367,14368,14369,14370,14371,14372,14373,14374  
Seq#:3; N Pos. 14375,14376,14377,14378,14379,14380,14381,14382,14383,14384  
Seq#:3; N Pos. 14385,14386,14387,14388,14389,14390,14391,14392,14393,14394

**RAW SEQUENCE LISTING ERROR SUMMARY**

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,021

TIME: 14:20:23

Input Set : A:\1201 DIV SEQLIST.TXT

Output Set: N:\CRF4\08252003\J644021.raw

Seq#:3; N Pos. 14395,14396,14397,14398,14399,14400,14401,14402,14403,14404  
Seq#:3; N Pos. 14405,14406,14407,14408,14409,14410,14411,14412,14413,14414  
Seq#:3; N Pos. 14415,14416,14417,14418,14419,14420,14421,14422,14423,14424  
Seq#:3; N Pos. 14425,14426,14427,14428,14429,14430,14431,14432,14433,14434  
Seq#:3; N Pos. 14435,14436,14437,14438,14439,14440,14441,14442,14443,14444  
Seq#:3; N Pos. 14445,14446,14447,14448,14449,14450,14451,14452,14453,14454  
Seq#:3; N Pos. 14455,14456,14457,14458,14459,14460,14461,14462,14463,14464



**VERIFICATION SUMMARY**

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,021

TIME: 14:20:23

Input Set : A:\1201 DIV SEQLIST.TXT

Output Set: N:\CRF4\08252003\J644021.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:15 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:15 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:15 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:16 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:16 M:256 W: Invalid Numeric Header Field, Wrong Current FILING DATE:YYYY-MM-DD  
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:13920  
M:341 Repeated in SeqNo=3